

Title (en)

Milling machine with internal cutter driven by a torque motor

Title (de)

Aussenwirbelvorrichtung mit einem Wirbelaggregat angetrieben von einem Torquemotor

Title (fr)

Machine de fraisage externe avec fraise creuse entraînée par un moteur-couple

Publication

EP 1728577 A3 20061227 (DE)

Application

EP 06009390 A 20060506

Priority

DE 102005025352 A 20050531

Abstract (en)

[origin: EP1728577A2] The device comprises a stationary outer part (5) and a revolving inner element (6) holding a whirling ring (7). The u-shaped outer element (5) is attached to an aggregate carrying element (9) joined to the housing. The torque applying drive (13) is integrated in the thread whirling device and comprises a stator (14) accommodated inside the space (16) between the arms of the U (5). The rotor (17) is positioned opposite and connected to the inner element (6) with a double-row slide bearing (18).

IPC 8 full level

B23G 1/34 (2006.01); **B23C 3/04** (2006.01); **B23Q 1/70** (2006.01); **B23Q 5/10** (2006.01)

CPC (source: EP)

B23C 3/04 (2013.01); **B23Q 1/70** (2013.01); **B23Q 5/10** (2013.01); **B23C 2220/68** (2013.01); **B23C 2250/12** (2013.01); **B23Q 2210/004** (2013.01)

Citation (search report)

- [XY] DE 1116032 B 19611026 - HANS LUMMER
- [X] EP 1466684 A1 20041013 - HELLERMASCHINENFABRIK GMBH GEB [DE]
- [Y] DE 10020111 A1 20011025 - LEISTRITZ AG [DE]
- [Y] EP 1287932 A1 20030305 - LEISTRITZ PRODUKTIONSTECHNIK G [DE]
- [Y] EP 0698437 A1 19960228 - WALTER AG [DE]

Cited by

EP2359969A1; EP2444186A1; ITMO20100279A1; ITMO20100278A1; CN112108695A; US2011150591A1; US9352407B2; WO2012046117A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1728577 A2 20061206; EP 1728577 A3 20061227; EP 1728577 B1 20080312; AT E388782 T1 20080315; DE 102005025352 A1 20061207; DE 102005025352 B4 20080731; DE 502006000444 D1 20080424

DOCDB simple family (application)

EP 06009390 A 20060506; AT 06009390 T 20060506; DE 102005025352 A 20050531; DE 502006000444 T 20060506